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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/042,321	01/11/2002	Takeya Miwa	Q68046	4431
23373	7590	03/29/2004	EXAMINER	
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			FIGUEROA, FELIX O	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 03/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary	Application No. 10/042,321	Applicant(s) MIWA, TAKEYA	
	Examiner Felix O. Figueroa	Art Unit 2833	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on January 16, 2004 has been entered.

Claim Objections

Claim 12 is objected to because of the following informalities: In claim 12 line 4, the semicolon (;) should be change for a colon (:). In line 12, "the at least" should be --at least--. In line 15, "the other" should be --another--.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 12-13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The scope of claim 12 is indefinite because there is an inconsistency within the claim. Claim 12 initially indicates that the subcombination, a socket assembly, is being claimed. However, later claim 12 (in the last two lines) contains positive limitations

directed toward a lamp, suggesting that applicant intends to claim the combination of the socket assembly and the lamp. Applicant is required to clarify what subject matter the claims are intended to be drawn to and the language of the claim must be amended to be consistent with this intent.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Okamoto (US 6,343,942).

Okamoto discloses a lamp socket comprising: a socket body (12); a connector housing (see Fig.13) for accommodating a connector; a bulb-mounting portion (see Fig.11) for mounting a lamp; and a monolithic terminal member (30) provided within the socket body so that a wire, the connector and the lamp are electrically directly connected.

Please note that the, the recitation "in which a plurality of the lamp sockets are mounted on a lamp unit body and are connected together through wires" has not been given patentable weight because the recitation occurs in the preamble. A preamble is generally not accorded any patentable weight where it merely recites the purpose of a

process or the intended use of a structure, and where the body of the claim does not depend on the preamble for completeness but, instead, the process steps or structural limitations are able to stand alone. See *In re Hirao*, 535 F.2d 67, 190 USPQ 15 (CCPA 1976) and *Kropa v. Robie*, 187 F.2d 150, 152, 88 USPQ 478, 481 (CCPA 1951).

Regarding claim 2, Okamoto discloses the socket body provided with a wire connection portion (36).

Claims 1, 2, 6-8 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Applicant's Admitted Prior Art (Figures 7-10).

Applicant's APA shows a lamp socket comprising: a socket body (1); a connector housing (1c) for accommodating a connector; a bulb-mounting portion (1a) for mounting a lamp; and a monolithic terminal member (2) provided within the socket body adapted to electrically directly connected a wire, the connector and the lamp.

Regarding claim 2, the APA discloses the socket body provided with a wire connection portion (below flange 1b).

Regarding claim 6, the APA discloses a socket assembly (Fig.9) comprising: a lamp unit body (5); a plurality of lamp sockets (1A, 1B and 1C) mounted on the lamp unit body and connected through wires (7), each lamp socket including: a socket body (1); a connector housing (1c) for accommodating a connector; a bulb-mounting portion (1a) for mounting a lamp; and a terminal member (2) provided within the socket body so that a wire, the connector and the lamp can be electrically directly connected.

Regarding claim 7, the APA shows the lamp sockets being connected to one another by wires of different lengths (Fig.9).

Regarding claim 8, the APA discloses the socket body provided with a wire connection portion (below flange 1b).

Regarding claim 12, APA shows a socket assembly comprising: a lamp unit body (5); and a plurality of lamp sockets (1) mounted on the lamp unit body and electrically connected together through wires (7), each of the plurality of lamp sockets comprising: a socket body (1) including a wire connection portion (below flange 1b); a connector housing (1c) for accommodating a connector (13) to the socket body, a bulb mounting portion (1a) for mounting a lamp (3) to the socket body; and a terminal member (2) provided within the socket body; wherein the terminal member is adapted to be electrically directly connected to the connector, the lamp, and at least one of the wires; wherein the terminal includes two ends, one end (at 1b) including a press-connecting portion (8) provided within the wire connection portion of the socket body, the press-connecting portion capable of directly electrically connecting the terminal member to a conductor (11) of the at least one of the wires, wherein another end (at 1c) of the two ends has a connector portion that projects into the connector housing for directly electrically connecting the terminal to the connector, and wherein the lamp contacts a portion of the terminal member between the press-connecting portion and the connector portion (see Fig.7).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3, 4, 9, 10 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's Admitted Prior Art (Figures 7-10) in view of Tanigawa (US 6,086,408).

Applicant's APA discloses substantially the claimed invention except for the wire insertion grooves in which the terminal member is mounted. Tanigawa teaches a socket assembly (Fig1) comprising a plurality of lamp sockets, each having a socket body (Fig.4), a bulb mounting portion (32), a terminal member (23K); the socket body including a wire connection portion (see Fig.7) including wire insertion grooves in which the terminal member is mounted, and the terminal member including at one end a press-connecting blade (40K) which can bite into a sheath of a wire to electrically connect to a conductor of the wire to provide a more stable and secure connection between the blade and the wire. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to form the socket body of the APA having the wire connection portion including wire insertion grooves in which the terminal member is mounted, as taught by Tanigawa, to form a more stable and secure connection between the blade and the wire.

Regarding claims 4 and 10, the APA shows the bulb in contact with a portion of the terminal member between the press-connecting blade and the male tab.

Claims 5 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Applicant's APA and Tanigawa, and further in view of Mews et al. (US 5,931,691).

The APA, as modified by Tanigawa, discloses substantially the claimed invention except for the opposed retaining projections. Mews teaches a lamp socket with a wire connection portion including a wire insertion groove (24) with opposed retaining projections (near 43 in Fig.1) to tightly retain the wire in the insertion groove. Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was made to form the wire insertion groove of Tanigawa with opposed retaining projections, as taught by Mews, to tightly retain the wire in the insertion groove.

Response to Arguments

Applicant's arguments filed January 16, 2004 have been fully considered but they are not persuasive.

In response to Applicant's arguments regarding Okamoto, it is noted that terminal member 30 of Okamoto is monolithic. Please note that the claim(s) do not define any structure to differentiate the claimed terminal member from the terminal member 30 of Okamoto.

In response to Applicant's arguments regarding the APA, it is noted that terminal member 2 of the APA is monolithic. Please note that the claim(s) do not define any structure to differentiate the claimed terminal member from the terminal member 2. Please note that the fact that the wires 7 are connected to the terminals 2 through terminals 9 does not preclude the terminal member 2 from being monolithic.

It is suggested that Applicant incorporate language defining structural features to distinguish over the prior art of record.

In response to Applicant's arguments (regarding claim 12) that the APA "does not teach or suggest that a press-connecting portion of the terminal is provided within the wire connecting portion of the socket body", please note that since the wire connecting portion is defined as the area below the flange 1b, then the press connecting portion is within the wire connecting portion.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felix O. Figueroa whose telephone number is (571) 272-2003. The examiner can normally be reached on Mon.-Fri., 10:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 Ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ffr



RENEE LUEBKE
PRIMARY EXAMINER